

CLAIMS

What is claimed is:

1. A method for capturing negative out of focus, said method
5 comprises:

(a) providing a topic object and a background object;

(b) capturing a first photo, according to a first distance in focus to
said background object, said first photo includes said topic object and
said background object, wherein said first distance in focus
10 corresponds to an exposure value and a first depth of field;

(c) acquiring a second distance in focus, wherein said second
distance in focus corresponds to said exposure value and a second
depth of field, and said second depth of field relative to said second
distance in focus overlaps a partial portion of said first depth of field
15 relative to said first distance in focus;

(d) capturing a second photo, according to said second distance in
focus, said second photo includes said topic object and said
background object; and

(e) replacing said first distance in focus with said second
distance in focus, and repeating step (c) and step (d) till said topic
object within said second depth of field relative to said second
distance in focus.

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25 2. The method according to claim 1, wherein said first depth of
field is calculated from said first distance in focus, a first front depth of
field, and a first back depth of field.

3. The method according to claim 2, wherein said first front depth
of field is a distance of a first near point in front of said background

object.

4. The method according to claim 2, wherein said first back depth field is a distance of a far point in back of said background object.

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5. The method according to claim 1, wherein said second depth of field is calculated from said second distance in focus, a second front depth of field, and a second back depth of field.

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6. The method according to claim 5, wherein said second front depth of field is a distance of a second near point in front of said background object.

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7. The method according to claim 5, wherein said second back depth of field is a distance of a second far point in back of said background object.

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8. A method for capturing in-focus, said method comprises:
providing a topic object and a background object; and

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capturing number of photos, said number of photos correspond an exposure value, one of said number of images includes said topic object and said background object based on a distance in focus, each distance in focus correspond to a depth of field, wherein
each said depth of field relative to said corresponding distance in focus overlapping partial portion of other said depth of field relative to other said distance in focus, said topic object within one of said depth of field relative to said corresponding distance in focus.

9. The method according to claim 8, wherein said depth of field is

calculated from said depth of field correspond to said distance in focus, a front depth of field, and a back depth of field.

5 10. The method according to claim 9, wherein said front depth of
field is a distance of a near point in front of said background object.

11. The method according to claim 9, wherein said back depth of field is a distance of a far point in back of said background object.

10 12. An image-capturing device with a negative out of focus module, said image-capturing device comprising:

an input device, for inputting an item of said negative out of focus module;

15 a storage, for storing a plurality of programs for said negative out of focus module;

a processor, according to the item of said negative out of focus module and said programs, outputting a command of executing said negative out of focus module, said command comprising the step of capturing number of photos, said number of photos corresponding an exposure value, one of said number of images including said topic object and said background object based on a distance in focus, each distance in focus correspond to a depth of field, wherein each said depth of field relative to said corresponding distance in focus overlapping partial portion of other said depth of field relative to other said distance in focus,
20 said topic object within one of said depth of field relative to said corresponding distance in focus.

25 a capturing device, for performing said command; and

a controller, for receiving said command and control said capturing device in accordance with said command.

13. The image-capturing device with a negative out of focus module according to claim 12, wherein said storage, used for storing a plurality of readable programs capable of capturing a plurality of photos
5 by an image-capturing device, said readable programs enabling the image-capturing device executing the steps:

(a) capturing a first photo, according to a first distance in focus to a background object, said first photo includes a topic object and said background object, wherein said first distance in focus corresponds to
10 an exposure value and a first depth of field;

(b) acquiring a second distance in focus, wherein said second distance in focus corresponds to said exposure value and a second depth of field, and said second depth of field relative to said second distance in focus overlaps a partial portion of said first depth of field
15 relative to said first distance in focus;

(c) capturing a second photo, according to said second distance in focus, said second photo includes said topic object and said background object; and

(d) replacing said first distance in focus with said second distance
20 in focus, and repeating step (b) and step (c) till said topic object within said second depth of field relative to said second distance in focus.